Dennis (F.S.)

Jable show's nervous manifestations



TABLE SHOWING NERVOUS MANIFESTATIONS FOLLOWING TRAUMATISMS OF THE SPINE [Dennis]

| | Faraly 515 | Alrea us Paralysis | ANAESTHESIA. | Area of Anaesthesia P=posterior | Reflexes |
|-------|--|-----------------------|--|---------------------------------------|--|
| | - Cern pressure of odontal | A= Anterior. | _ | P = posterior | _ |
| P 95- | 2nd Death grom 36. paral. og diabhra | gm. | _ | | |
| 3 | 4th Upper arm moscle | es. D | Upper Shoulder. Outer Arm. | | Pupil. |
| 93 | 5th Supinators of nand. | 1 | Outside of Arm and fore- arm. | | Pupil Scapular Supinator Triceps. |
| | th Biceps Triceps Extensors of mris | | Outer harb of hans. | 1 | Rupil. Erapular Triceps Bost. Wrist |
| | 7th Ronatorsof mris hatiss. Dorsi. | | Inner sise of arm and sore-arm. | | Scapular Best. Wrist ANT. Wrist Palmar |
| | - 8th Flexors Of Wrist. Hanamuseres | | Innerside of Hans | | For wrist Ant. wrist. Palmar. |
| 616 | - DORS. Thumb. | | ply to hand. | | Seapular Falmar |
| | 12th Muscles Of back and Abdomen | P | Skin over back and abdo- inen in areas. correspinating to distribution of spinal nerves. | | Epigastric. 4th to 7th Abdominal 7th to 11th. |
| 9 | LUMB Fartorius. | | Groin. | | Cremasteric |
| 2 | 2008 Quadriceps Femoris | 1 | Outside os Thigh. | H | Gremasteric Patellar |
| | 38 Adductors an inner rotator of Thigh. | | Front and inside cy | | Cremasteric |
| | 4th ASSuctors of Thigh Tibialis Anticus | > | Inside of legiankle and foct | | GIOTEAL |
| | 5th Outward rotator of thigh Flexors of kill and ankie. | ee a | Backof Thigh amo, leg. Outside of foot. | A | Glusteal. |
| 1 | 1 ST. muscles of too SAC Peronei | | Outside os reg. | | PlantAn |
| 6 | 2d. Perineal moscles | | Retineum and Sacrum and Oenitals. | 7 | Ankle Clonus. |

The muscles governed by the injured segment are paralysed and become flabby and atrophied. Those governed by segments below the point of injury are paralysed as to motion and sensation, but do not atrophy. This is due to the fact that their centres of nutrition in the cord are uninjured. If no treatment is instituted however, ascending and descending degeneration of the cord takes place, causing atrophy of the muscles governed by the various segments.

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PRIAPISM is frequently seen in fractures of the upper part of the spinal column, and is due to the cutting off of inhibitory impulses from the higher centres.

The BLADDER and RECTAL centres are in the lower lumbar segments, and traumatism in this region causes incontinence of urine and fæces. Injuries higher up cause retention.

TYMPANITES is seen in injuries to the upper part of the cord: it is due to paralysis of peristalsis.

BROWN-SEQUARD'S paralysis (loss of motion on one side and of sensation on the other) is seen in unilateral lesions of the cord, such as might be caused by a bullet. It is due to the immediate decussation of the sensory fibres on entering the cord. It is not seen at first, as the general bruising causes bilateral paralysis.

REFLEXES. PUPIL: Dilatation produced by pinching side of neck. SCAPULAR: Scratching skin over scapula causes muscles to contract. SUPINATOR: Tapping tendon at wrist causes flexion of arm. TRICEPS: Tapping elbow tendon causes extension of arm. POSTERIOR WRIST: Tapping tendons causes flexion of wrist. PALMAR: Scratching palm causes flexion of fingers. EPIGASTRIC: Stroking mammae causes retraction of epigastrium. ABDOMINAL: Stroking abdomen causes retraction. CREMASTERIC: Stroking inner tendon causes extension of leg. GLUTEAL: Stroking buttock causes flexion causes rhythmical flexion.



